

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45	kovacs-Erno.in. and sony\$.as.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 14:59
L2	1002	719/310.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L3	676	719/313.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L4	1576	709/200.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L5	10786	709/201-203.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L6	7232	707/10.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L7	6361	707/104.1.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 15:00
L8	58	719/322.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:01
L9	54	345/621.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:01
L10	3326	715/513.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:01

EAST Search History

L11	467	717/114.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:01
L12	167	719/311.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:02
L13	197	719/312.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:02
L14	2634	719/314-318.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:02
L15	21531	709/223-229.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:02
L16	1935	715/736-744.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:02
L17	48904	L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:03

EAST Search History

L18	4689	L17 AND CONTROLLER AND MODEL AND VIEW	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:05
L19	334	L18 AND PORTAL AND DIRECT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:04
L20	99	L19 AND MULTIMEDIA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:04
L21	30	L19 AND MULTI ADJ MEDIA	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:04
L22	1832	709/227.cor.	US-PGPUB; USPAT	OR	ON	2007/07/06 15:05
L23	16	L22 and (reconnect\$5 or (re adj connect)) and engine and stream\$5	US-PGPUB; USPAT	OR	ON	2007/07/06 15:05
L24	154	L17 AND PORTAL SAME CONTROLLER	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:06
L25	607	L17 AND PORTAL SAME VIEW	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:06

EAST Search History

L26	353	L17 AND PORTAL SAME MODEL	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:06
L27	30	L24 AND L25 AND L26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 15:06
S1	1109	709/313-318.ccls.	USPAT	OR	ON	2003/12/20 14:53
S2	326	709/310.ccls.	USPAT	OR	ON	2003/12/20 14:54
S3	2684	707/10.ccls.	USPAT	OR	ON	2003/12/20 14:54
S4	4015	S1 or S2 or S3	USPAT	OR	ON	2003/12/20 14:54
S5	8732	S4 nad servlet and JSP (Java adj server adj page) and client and database	USPAT	OR	ON	2003/12/20 14:55
S6	39	S4 and servlet and JSP (Java adj server adj page) and client and database	USPAT	OR	ON	2003/12/20 14:55
S7	48	servlet and JSP (Java adj server adj page) and client and database	USPAT	OR	ON	2005/08/06 21:51
S8	43	(servlet and JSP (Java adj server adj page) and client and database) and Java and database	USPAT	OR	ON	2003/12/17 17:35
S9	37	((servlet and JSP (Java adj server adj page) and client and database) and Java and database) and service	USPAT	OR	ON	2003/12/17 17:35
S10	37	((((servlet and JSP (Java adj server adj page) and client and database) and Java and database) and service) and browser	USPAT	OR	ON	2003/12/17 17:35
S11	1	(((((servlet and JSP (Java adj server adj page) and client and database) and Java and database) and service) and browser) and WML and XHTML	USPAT	OR	ON	2003/12/17 17:40
S12	42	kovacs-Erno.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/12/17 17:41
S13	35	kovacs-Erno.in. and sony\$.as.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/07/06 14:59

EAST Search History

S14	1	("6643652").PN.	USPAT; USOCR	OR	OFF	2003/12/20 12:22
S15	0	((("6643652").PN.) and (model near5 view near5 controll\$5)	USPAT	OR	OFF	2003/12/20 12:23
S16	0	((("6643652").PN.) and (model near5 view near5 architecture)	USPAT	OR	OFF	2003/12/20 12:23
S17	0	((("6643652").PN.) and (model near5 view near5 architecture)	USPAT	OR	ON	2003/12/20 12:23
S18	0	((("6643652").PN.) and (model same view same architecture)	USPAT	OR	ON	2003/12/20 12:23
S19	0	((("6643652").PN.) and (model same view same architecture)	USPAT	OR	ON	2003/12/20 14:53
S20	1	("6643652").PN.	USPAT	OR	OFF	2005/08/06 22:02
S21	372	model adj view adj controller	US-PGPUB; USPAT	OR	ON	2005/08/06 22:02
S22	372	"model view controller "	US-PGPUB; USPAT	OR	ON	2005/08/06 22:02
S23	372	"model view controller"	US-PGPUB; USPAT	OR	ON	2005/08/06 22:02
S24	57	"model view controller" and portal	US-PGPUB; USPAT	OR	ON	2005/08/06 22:03
S25	50	"model view controller" and portal and service	US-PGPUB; USPAT	OR	ON	2005/08/06 22:03
S26	47	"model view controller" and portal and services	US-PGPUB; USPAT	OR	ON	2005/08/06 23:20
S27	23	"model view controller" and portal and services and via near5 controller	US-PGPUB; USPAT	OR	ON	2005/08/06 22:04
S28	1	(US-6199099-\$).did.	USPAT	OR	OFF	2005/08/06 23:18
S29	0	S28 and "same" near5 language	US-PGPUB; USPAT	OR	ON	2005/08/06 23:19
S30	0	S28 and "same" near10 language	US-PGPUB; USPAT	OR	ON	2005/08/06 23:19
S31	0	S28 and "same" near10 markup	US-PGPUB; USPAT	OR	ON	2005/08/06 23:19
S32	0	S28 and "same" near10 data	US-PGPUB; USPAT	OR	ON	2005/08/06 23:19
S33	0	S28 and "same" near10 view	US-PGPUB; USPAT	OR	ON	2005/08/06 23:19
S34	25	S26 and (identical or "same") near5 (mark\$4 or language or view)	US-PGPUB; USPAT	OR	ON	2005/08/06 23:29
S35	75	Mvc near5 architecture and view near5 "same"	US-PGPUB; USPAT	OR	ON	2005/08/06 23:42
S36	10	Mvc near5 architecture and useJavaBean	US-PGPUB; USPAT	OR	ON	2005/08/06 23:43

EAST Search History

S37	10	useJavaBean	US-PGPUB; USPAT	OR	ON	2005/08/07 00:00
S38	6	Mvc near5 architecture and JavaBean near5 JSP	US-PGPUB; USPAT	OR	ON	2005/08/06 23:45
S39	17	Mvc near5 architecture and JavaBean same JSP	US-PGPUB; USPAT	OR	ON	2005/08/06 23:46
S40	40	JavaBean same JSP same tag	US-PGPUB; USPAT	OR	ON	2005/08/06 23:48
S41	1	("6,199,099").PN.	USPAT	OR	OFF	2005/08/06 23:48
S42	1	("6,643,652").PN.	USPAT	OR	OFF	2005/08/06 23:48
S43	1	("6665725").PN.	USPAT	OR	OFF	2005/08/09 14:22
S44	143	delineate near5 frame	USPAT	OR	OFF	2005/08/09 14:23
S45	6	delineate near5 frame near5 method	USPAT	OR	OFF	2005/08/09 14:23
S46	1275	canon\$.as. and modules	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:09
S47	35	canon\$.as. and rendering same modules	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:16
S48	0	S47 and kabush*	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:10
S49	12	canon\$.as. and rendering adj module\$3 and modules	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:19
S50	115	rendering adj modules	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:19
S51	8	rendering adj modules same (individual\$5 or parallel\$5 or concurrent\$5)	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:21
S52	0	rendering adj modules same (individual\$5 or parallel\$5 or concurrent\$5) and server and client	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:22
S53	4	rendering adj module same (individual\$5 or parallel\$5 or concurrent\$5) and server and client	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:22
S54	4	(US-20040190067-\$ or US-20040176954-\$ or US-20040066529-\$).did. or (US-5940083-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:22
S55	4	S54 and rendering adj module same (individual\$5 or parallel\$5 or concurrent\$5)	US-PGPUB; USPAT	OR	OFF	2005/08/16 16:24
S56	1	("6167442").PN.	USPAT	OR	OFF	2005/08/16 16:27
S57	0	("imagesame(multipleorplural\$3)near5 engine").PN.	USPAT	OR	OFF	2005/08/16 16:27
S58	312	image same (multiple or plural\$3) near5 engine	USPAT	OR	OFF	2005/08/16 16:27

EAST Search History

S59	444	image same (multiple or plural\$3) near5 engine	USPAT	OR	ON	2005/08/16 16:27
S60	49	image same (multiple or plural\$3) near5 engine same render\$5	USPAT	OR	ON	2005/08/16 16:29
S62	6	S60 and API	USPAT	OR	ON	2005/08/16 17:58
S63	2	SMIL same render\$5	USPAT	OR	ON	2005/08/16 18:02
S64	2	SMIL and pre adj load\$3	USPAT	OR	ON	2005/08/16 18:07
S65	34	SMIL and render\$5	USPAT	OR	ON	2005/08/16 18:07
S66	13	SMIL and render\$5 and engine	USPAT	OR	ON	2005/08/16 18:08
S67	13	SMIL and render\$5 and engine	USPAT	OR	ON	2005/08/16 18:20
S68	5	SMIL and render\$5 and engine and latency	USPAT	OR	ON	2005/08/16 18:24
S69	40758	preload\$3 or (pre adj load\$3) and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 18:25
S70	26	(preload\$3 or (pre adj load\$3)) and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 18:25
S71	0	(preload\$3 or (pre adj load\$3)) and SMIL and canon\$.as.	US-PGPUB; USPAT	OR	ON	2005/08/16 18:25
S72	26	(preload\$3 or (pre adj load\$3)) and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 18:31
S73	103	(preload\$3 or (pre adj load\$3)) near5 render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:22
S74	4	S73 and latency	US-PGPUB; USPAT	OR	ON	2005/08/16 18:32
S75	184	set\$5 near5 value and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 19:29
S76	99	S75 and default	US-PGPUB; USPAT	OR	ON	2005/08/16 19:23
S77	66	S75 and default and engine	US-PGPUB; USPAT	OR	ON	2005/08/16 19:23
S78	369	set\$5 near5 value near5 tim\$3 same render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:31
S79	24	S78 and engine and parallel	US-PGPUB; USPAT	OR	ON	2005/08/16 19:31
S80	7	S79 and media	US-PGPUB; USPAT	OR	ON	2005/08/16 19:32
S81	4545	set\$5 near5 value same render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:31
S82	593	S81 and engine and parallel	US-PGPUB; USPAT	OR	ON	2005/08/16 19:31
S83	318	S82 and media	US-PGPUB; USPAT	OR	ON	2005/08/16 19:35

EAST Search History

S84	21	SMIL and canon\$.as.	US-PGPUB; USPAT	OR	ON	2005/08/16 19:48
S85	218	((reconnect\$5 (re adj connect\$5) (reestablish\$5 re adj establish\$5)) near10 render\$5)	US-PGPUB; USPAT	OR	ON	2005/08/16 19:49
S86	68	S85 and engine	US-PGPUB; USPAT	OR	ON	2005/08/16 19:53
S87	94	reestablish\$5 near5 stream\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:54
S88	0	S87 and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 19:54
S89	17	S87 and render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:55
S90	115	reconnect\$5 near5 stream\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:54
S91	0	S90 and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 19:54
S92	9	S90 and render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 19:56
S93	8967	recov\$5 same render\$5	US-PGPUB; USPAT	OR	ON	2005/08/16 20:02
S94	1	S93 and SMIL	US-PGPUB; USPAT	OR	ON	2005/08/16 19:57
S95	1213	709/227.cor.	US-PGPUB; USPAT	OR	ON	2005/08/16 20:02
S96	10	S95 and (reconnect\$5 or (re adj connect)) and engine and stream\$5	US-PGPUB; USPAT	OR	ON	2007/07/06 15:05
S97	10	(US-20040177147-\$ or US-20020178266-\$ or US-20020087697-\$ or US-20020069282-\$).did. or (US-6880013-\$ or US-6606660-\$ or US-6564261-\$ or US-6546425-\$ or US-6131121-\$ or US-6009469-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/16 20:05
S98	10	S97 and (reconnect\$5 or (re adj connect))	US-PGPUB; USPAT	OR	ON	2005/08/16 20:05

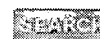


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1 [Implementing the model-view-controller paradigm in Ada 95](#)



Jodene M. Sasine, Raymond J. Toal

 November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world TRI-Ada '95**

Publisher: ACM Press

 Full text available: pdf(1.10 MB) Additional Information: [full citation](#), [references](#)


2 [Web site engineering: A flexible framework for engineering "my" portals](#)



Fernando Bellas, Daniel Fernández, Abel Muiño

 May 2004 **Proceedings of the 13th international conference on World Wide Web WWW '04**

Publisher: ACM Press

 Full text available: pdf(420.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


There exist many portal servers that support the construction of "My" portals that is portals that allow the user to have one or more personal pages composed of a number of personalizable services. The main drawback of current portal servers is their lack of generality and adaptability. This paper presents the design of MyPersonalizer a J2EE-based framework for engineering My portals. The framework is structured according to the Model-View-Controller and Layers architectural patterns providing g ...

Keywords: design patterns, j2ee, portal technology, web application frameworks and architectures, web engineering

3 [STEM: an IC design environment based on the Smalltalk model-view-controller construct](#)



E. F. Girczyc, T. Ly

 October 1987 **Proceedings of the 24th ACM/IEEE conference on Design automation DAC '87**

Publisher: ACM Press

 Full text available: pdf(1.10 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)


STEM (SmallTalk Environment of Module design) is an IC design environment written in Smalltalk aimed at integrating design automation tools with manual design. STEM is based on the Smalltalk model-view-controller concept. Each cell in the database is

represented by a single Smalltalk class. This serves as the "model" and encapsulates all (permanent) information about the cell. Different design representations of the single model are achieved by calculating views which are strict ...

4 Session 7: development frameworks: A platform for the development of semantic web portals



Oscar Corcho, Angel López-Cima, Asunción Gómez-Pérez

July 2006 **Proceedings of the 6th international conference on Web engineering ICWE '06**

Publisher: ACM Press

Full text available: pdf(331.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A Semantic Web portal is a Web application that offers information and services related to a specific domain, and that has been developed with Semantic Web technology. For the time being, the main difference with respect to a traditional Web portal is based on technological aspects: traditional Web portals are based on standard Web technology (HTML, XML, servlets, JSPs, etc.); semantic portals are based on that technology plus the use of Semantic Web languages like RDF, RDF Schema and OWL. This ...

Keywords: ODESeW, intranet, semantic web portal

5 Applications: Using XForms to simplify Web programming



Richard Cardone, Danny Soroker, Alpina Tiwari

May 2005 **Proceedings of the 14th international conference on World Wide Web WWW '05**

Publisher: ACM Press

Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The difficulty of developing and deploying commercial web applications increases as the number of technologies they use increases and as the interactions between these technologies become more complex. This paper describes a way to avoid this increasing complexity by re-examining the basic requirements of web applications. Our approach is to first separate client concerns from server concerns, and then to reduce the interaction between client and server to its most elemental: parameter passing. ...

Keywords: J2EE, MVC, Web application, XForms, XMLBeans, eclipse, visual builder

6 Industrial experience with building a web portal product line using a lightweight, reactive approach



Ulf Pettersson, Stan Jarzabek

September 2005 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 10th European software engineering conference held jointly with 13th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-13, Volume 30 Issue 5**

Publisher: ACM Press

Full text available: pdf(1.04 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Imprecise, frequently changing requirements and short time-to-market create challenges for application of conventional software methods in Web Portal engineering. To address these challenges, ST Electronics (Info-Software Systems) Pte. Ltd. applied a lightweight, reactive approach to support a Web Portal product line. Unique characteristics of the approach were fast, low-cost migration from a single conventional Web Portal towards a reusable "generic Web Portal" solution, effective handling of I ...

Keywords: maintenance, program synthesis, reuse, software product lines, static meta-programming, web engineering

7 A simulation of the evacuation of American citizens with an object-oriented, animated model



Jeffrey E. Sumner, Eric A. Zahn

November 1996 **Proceedings of the 28th conference on Winter simulation WSC '96**

Publisher: ACM Press, IEEE Computer Society

Full text available: pdf(818.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper highlights a model developed by TASC, Inc. under contract to the Defense Advanced Research Projects Agency (DARPA). This project models and simulates an evacuation of American citizens and other important foreign nationals from a destabilized foreign country by utilizing available U.S. military resources. This project demonstrates how different evacuation plans can quickly be compared analytically through computer simulation. The software chosen for the simulation and analysis is the ...

8 Web mining, tools, and performance evaluation: The catacomb project: building a user-centered portal the conversational way



Mark Ginsburg

November 2002 **Proceedings of the 4th international workshop on Web information and data management WIDM '02**

Publisher: ACM Press

Full text available: pdf(239.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Enterprise computing is marked by large-scale information systems, such as databases, document management, and groupware that present significant obstacles to consistent cross-application use: dissimilar user interfaces, incompatible security schemes, and the undesirable property of serving only parts of the user community (islands of use) and accessing only some of the enterprise knowledge assets (islands of information). World Wide Web (WWW) architectures do not solve this problem directly. WWW ...

Keywords: ALICE, conversational portal, portal design, query routing

9 Electronic maneuvering board and dead reckoning tracer decision aid for the officer of the deck



Kenneth L. Ehresman, Joey L. Frantzen

September 2001 **ACM SIGAda Ada Letters , Proceedings of the 2001 annual ACM SIGAda international conference on Ada SIGAda '01**, Volume XXI Issue 4

Publisher: ACM Press

Full text available: pdf(194.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The U.S. Navy currently bases the majority of our contact management decisions around a time and manning intensive paper-based Maneuvering Board (MOBOARD) process. The use of Maneuvering Boards is a perishable skill that has a steep learning curve. In order to overcome inherent human error, it is not uncommon to have up to four people simultaneously involved in solving just one maneuvering problem. Additional manning requirements are involved on many Naval Ships in order to accurately ...

Keywords: Contact Avoidance, GNAT, GtkAda, Maneuvering Board, Model-View-Controller, Navigation, Officer of the Deck Aid, U.S. Navy

10 Automated container transport system between inland port and terminals

Jianlong Zhang, Petros A. Ioannou, Anastasios Chassiakos

April 2006 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 16 Issue 2**Publisher:** ACM PressFull text available: pdf(1.22 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this article we propose a new concept called automated container transportation system between inland port and terminals (ACTIPOT) which involves the use of automated trucks to transfer containers between an inland port and container terminals. The inland port is located a few miles away from the terminals and is used for storing and processing import/export containers before distribution to customers or transfer to the terminals. We design and analyze the ACTIPOT system with particular atten ...

Keywords: Automated container transportation system, Petri nets, automated truck, supervisory control, vehicle control

**11** GUI Development with Java

Ian Darwin

May 1999 **Linux Journal****Publisher:** Specialized Systems Consultants, Inc.Full text available: html(31.06 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Mr. Darwin takes a look at Java and describes the steps for writing a user interface in Java

**12** An overview of visualization: its use and design: report of the working group in visualization

Joe Bergin, Ken Brodie, Marta Patiño-Martínez, Myles McNally, Tom Naps, Susan Rodger, Judith Wilson, Michael Goldweber, Sami Khuri, Ricardo Jiménez-Peris

June 1996 **ACM SIGCSE Bulletin , ACM SIGCUE Outlook , Proceedings of the 1st conference on Integrating technology into computer science education ITiCSE '96**, Volume 28 , 24 Issue SI , 1-3**Publisher:** ACM PressFull text available: pdf(1.06 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**13** Performance modeling from software components

Xiuping Wu, Murray Woodside

January 2004 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 4th international workshop on Software and performance WOSP '04**, Volume 29 Issue 1**Publisher:** ACM PressFull text available: pdf(1.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

When software products are assembled from pre-defined components, performance prediction should be based on the components also. This supports rapid model-building, using previously calibrated sub-models or "performance components", in sync with the construction of the product. The specification of a performance component must be tied closely to the software component specification, but it also includes performance related parameters (describing workload characteristics and demands), and it abst ...

Keywords: CBML, LQN, generative programming, layered queue model, performance prediction, software component, software performance, submodel

14 Session 6: Visualizing program execution using user abstractions



Steven P. Reiss

September 2006 **Proceedings of the 2006 ACM symposium on Software visualization SoftVis '06**

Publisher: ACM Press

Full text available: pdf(282.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A practical system that uses visualization for understanding the execution of complex programs must offer the user views of the execution that are specific to the program being understood and the particular problem at hand without significantly slowing down or perturbing the system being examined. This paper describes a visualization data model and its implementation that accomplishes this. The model starts with program events that can be instrumented efficiently and with little overhead. It use ...

Keywords: dynamic software visualization, instrumentation, run-time monitoring

15 Usability aspects and simulation of tasks: Executable task models



Tobias Klug, Jussi Kangasharju

September 2005 **Proceedings of the 4th international workshop on Task models and diagrams TAMODIA '05**

Publisher: ACM Press

Full text available: pdf(1.62 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current task modeling techniques have a shortcoming in that they only use the model at design time. This means that the information contained in the model has to be embedded into the application and makes the task model static. In this paper we propose using the task model *at runtime*, in order to simplify producing applications which adapt to the actions of the user. In particular, we extend the ConcurTaskTree (CTT) notation to allow dynamic execution of a task model. A key feature of our ...

Keywords: dynamic UI construction, proactive user interfaces, task modeling

16 OOP and the Janus principle



Joel C. Adams

March 2006 **ACM SIGCSE Bulletin , Proceedings of the 37th SIGCSE technical symposium on Computer science education SIGCSE '06**, Volume 38 Issue 1

Publisher: ACM Press

Full text available: pdf(94.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is easy for computer science students and educators to write software applications in Java or C++ that are not object-oriented. In this paper, we present the *Janus Principle* -- a simple software engineering principle (related to the MVC design pattern) whose use produces highly object-oriented code. We demonstrate its effect by developing a simple Java networking application, first without using the Janus Principle, and then using it. Students and educators who follow this principle wi ...

Keywords: MVC, design patterns, object oriented programming, reusable code, software engineering, user interfaces

17 Port activity simulation: an overview



Said Ali Hassan

December 1993 **ACM SIGSIM Simulation Digest**, Volume 23 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.22 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Port can be viewed as a complex system containing several entities with interfering attributes. The whole image is very complex and special care should be considered to model such systems. Several works for investigating, analysing evaluating and improving port activities are carried out, each of them is concerned with a specific area related to the port functions, the key tool for most of these works is the simulation. The purpose of this paper is to give an overview of a computer simulation prog ...

18 [Second international workshop on model driven web engineering \(MDWE'06\):](#)



[Generating web applications from process models](#)

Jan Schulz-Hofen, Silvan Golega

July 2006 **Workshop proceedings of the sixth international conference on Web engineering ICWE '06**

Publisher: ACM Press

Full text available:  pdf(403.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The business process has gained a lot of importance for design and development of software in general and web applications in particular. Moreover, a shift from individual and separate application development to customization of pre-engineered solutions promotes significant reductions in time-to-market and maintenance effort. Applying the concept of *process-based* software product lines to webdevelopment promises to enable the average *business user* to generate ready--to--run web app ...

Keywords: business process, modeling, process family engineering, product line, software generation, web development

19 [A tool for simulation and fast prototyping of embedded control systems](#)



Luigi Palopoli, Guiseppe Lipari, Luca Abeni, Marco Di Natale, Paolo Ancilotti, Fabio Conticelli

August 2001 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN workshop on Languages, compilers and tools for embedded systems LCTES '01 , Proceedings of the 2001 ACM SIGPLAN workshop on Optimization of middleware and distributed systems OM '01**, Volume 36 Issue 8

Publisher: ACM Press

Full text available:  pdf(231.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a set of C++ libraries, called RTSIM, aimed at realizing a joint simulation of a continuous plant and of a real-time embedded controller. The libraries permit a separate specification of the functional behaviour of the controller and of the software platform to be used for its deployment. In particular, it is possible to provide an accurate modeling of the concurrent architecture of the control tasks and of the run-time support offered by the operating system for the real- ...


20 [Scoot: an object-oriented toolkit for multimedia collaboration](#)



E. Craighill, M. Fong, K. Skinner, R. Lang, K. Gruenefeldt

October 1994 **Proceedings of the second ACM international conference on Multimedia MULTIMEDIA '94**

Publisher: ACM Press

Full text available:  pdf(848.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Synchronous Collaborative Object-Oriented Toolkit (SCOOT) provides reliable real-time multimedia collaboration for geographically separated participants. SCOOT does this by synchronizing application states and ensuring reliable shared tool control. It is designed to provide this functionality while minimizing the modifications to application code, the impact on a developer's design style and level of effort, and on an application's structure. SCOOT extends the end-user's working style b ...

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